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An architecture for intrusion detection using autonomous ag

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Abstract

The intrusion detection system architectures commonly used in commercial and research systems suffer from a number of problems that limit their configurability, scalability or efficiency. The most common problem with existing architectures is that they are built around a single monolithic entity that does most of the detection and processing. In this paper, we review our architecture for a distributed intrusion detection system where multiple independent entities working collectively. We call these entities autonomous agents. This architecture solves some of the problems previously mentioned. We present the motivation and description of the architecture, partial results obtained from an early prototype, a discussion of design and implementation issues, and directions for future work.

Index Terms

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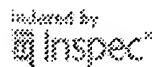
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